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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/817,033	04/02/2004	Susumu Kobayashi	601560-4US(03P508US/KRE/	P 2737
570 AKIN GUMP S	7590 02/21/200 STRAUSS HAUER &	EXAMINER		
ONE COMMERCE SQUARE 2005 MARKET STREET, SUITE 2200 PHILADELPHIA, PA 19103			KALAFUT, STEPHEN J	
			ART UNIT	PAPER NUMBER
	,		1745	
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
2 MO	NTHS	02/21/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)			
	10/817,033	KOBAYASHI ET AL.			
Office Action Summary	Examiner	Art Unit			
	Stephen J. Kalafut	1745			
The MAILING DATE of this communication	· · · · · · · · · · · · · · · · · · ·				
Period for Reply					
A SHORTENED STATUTORY PERIOD FOR RE WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFI after SIX (6) MONTHS from the mailing date of this communication - If NO period for reply is specified above, the maximum statutory pe - Failure to reply within the set or extended period for reply will, by st Any reply received by the Office later than three months after the m earned patent term adjustment. See 37 CFR 1.704(b).	B DATE OF THIS COMMUNIC R 1.136(a). In no event, however, may a re- riod will apply and will expire SIX (6) MON atute, cause the application to become AB	CATION. eply be timely filed THS from the mailing date of this communication. EANDONED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on _					
3)⊠ Since this application is in condition for allo	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
closed in accordance with the practice und	er <i>Ex parte Quayle</i> , 1935 C.D	. 11, 453 O.G. 213.			
Disposition of Claims					
4) ⊠ Claim(s) <u>1-18</u> is/are pending in the applicate 4a) Of the above claim(s) is/are with 5) ⊠ Claim(s) <u>1-18</u> is/are allowed. 6) □ Claim(s) is/are rejected. 7) ⊠ Claim(s) <u>7</u> is/are objected to. 8) □ Claim(s) are subject to restriction are	drawn from consideration.				
Application Papers					
9)⊠ The specification is objected to by the Exam 10)⊠ The drawing(s) filed on <u>02 April 2004</u> is/are Applicant may not request that any objection to Replacement drawing sheet(s) including the con	: a)⊠ accepted or b)⊡ object the drawing(s) be held in abeyan rrection is required if the drawing(ce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1.121(d).			
11) The oath or declaration is objected to by the	e Examiner. Note the attached	Office Action or form PTO-152.			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of: 1. Certified copies of the priority docum 2. Certified copies of the priority docum 3. Copies of the certified copies of the paplication from the International But * See the attached detailed Office action for a	nents have been received. The sents have been received in Appriority documents have been reau (PCT Rule 17.2(a)).	pplication No received in this National Stage			
Attachment(s)	_				
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date (3 dates). 	Paper No(s	iummary (PTO-413) s)/Mail Date nformal Patent Application 			

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Claim 7 is objected to because of the following informalities: The "(?)" appears to be a typographical error. Appropriate correction is required.

The use of the trademarks Naphion and Vectra has been noted in this application. It should be capitalized wherever it appears and be accompanied by the generic terminology.

Although the use of trademarks is permissible in patent applications, the proprietary nature of the marks should be respected and every effort made to prevent their use in any manner which might adversely affect their validity as trademarks.

These two trademarks are properly capitalized, but are not accompanied by generic terminology. The term "liquid crystal polymer" is insufficient, because this does not identify the chemical type of polymer, as opposed to "polyolefin" or "fluorine elastomer" used with other trademarks in the application. The term Naphion also appears to be misspelled. Instead, "Nafion" is suggested.

Claims 1-18 are allowed. The prior art, cited either herein or by applicants, does not disclose an electrolyte membrane held by a frame having an elastic modulus between about 2000 MPA and 2,000,000 MPA, and an elastic body having a modulus between zero and 200 MPA, where these are configured to provide fluid-tight seals between the peripheral portions of the membrane and adjoining separators.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Iino et al. (WO 2005/062407) disclose a fuel cell separator with two layers, having

different modulus of elasticity. Dristy et al. (US 6,811,915), Ohsuga (US 5,173,373) and Merlo et al. (WO 03/041205) disclose fuel cells with sealing gaskets.

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This application is in condition for allowance except for the following formal matters:

The trademarks in the specification and typographical error in claim 7, as noted above.

Prosecution on the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire TWO MONTHS from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen J. Kalafut whose telephone number is 571-272-1286. The examiner can normally be reached on Mon-Fri 8:00 am-4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick J. Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

sjk

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